

INTEROFFICE MEMORANDUM

Date: November 09, 2004
 To: Arthur L. Williams, Director
 From: Arthur Chang, Environmental Supervisor
 Re: September 2004 FRM PM_{2.5} Monitoring Update Report

This is a report of October 2004 Federal Reference Method (FRM) PM_{2.5} monthly averages, annual averages, 3-year annual design values, and year-to-year comparison data summaries. (These data are subject to further quality assurance and are not final.)

October 2004

Table 1. PM_{2.5} Monthly Data Summary (µg/m³)

	Daily Maximum	Daily Minimum		Monthly
Site Name	Conc. & Date	Conc. & Date	Run Time	Average
Southwick	29.6 (10/28)	4.9 (10/16)	77.4 %	15.7
Wyandotte	29.8 (10/28)	4.8 (10/16)	100.0 %	15.3
Barret	26.1 (10/09)	5.9 (10/15)	100.0 %	13.7
Watson	13.5 (10/12)	7.4 (10/24)	80.0 %	10.5
Overall				15.0

The 24-hour average standard is 65 µg/m³.

Table 2. PM_{2.5} Design Values and Year-to-Date Annual Mean Comparisons

Site Name	Annual Mean(µg/m ³)						Annual Design Values (1999-2001)	Annual Design Values (2000-2002)	Annual Design Values (2001-2003)	Annual Design Values (2002-2004) ³
	2004 Year-To-Date	2003	2002	2001	2000	1999				
Southwick/ <i>Firearms Trn</i> ¹	15.2	15.4	17.2	17.1/ 18.7 ¹	17.3	17.5	N/A	N/A	N/A	~15.9
Wyandotte	14.7	15.2	17.5	17.7	16.7	16.9	17.1²	17.3²	16.8²	~15.8
Barret	14.6	15.2	16.3	16.9	16.7	17.2	16.9	16.6	16.1	~15.3
Watson	13.2	15.1	15.3	16.3	16.8	15.2	16.1	16.1	15.5	~14.5

The annual average standard is 15.0 µg/m³.

¹ *Firearms Training* temporarily replaced Southwick Community Center monitoring during 2001, due to renovation. Twelve quarters of contiguous data are unavailable.

² Design value site for Louisville.

³ Approximate values due to the availability of only ten months of 2004 data.